The Space Propulsion Synergy Team (SPST) Annual Meeting

April 27-29 2004

Theme "Why Human Space Exploration"

- Harness the resources of space for the benefit of the human race
- Maintain international leadership in space
- Enhance national security
- Advance technologies that will benefit the human race

Hosted By

The National Space Science and Technology Center at 320 Sparkman Drive Huntsville, Alabama

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Space Propulsion Synergy Team Annual Meeting

Tuesday April 27, 2004

Theme "Why Human Space Exploration"

Location: The National Space Science and Technology Center Conference Room 4078 UAH Huntsville AL

Hospitality Coffee and Rolls	8:00 am
Opening Welcome . Gerald Smith, Director NSSTC	8:30 am
Introductions and Logistics Donald J. Perkey, Director USRA	9:00 am
Meeting Theme and Agenda Bryan DeHoff SPST Steering Committee Chairman	9:15 am
Why and How NASA Plans to Explore Space Key Note Speaker: John Mankins NASA Code T Deputy Director Human and Robotic Technology	9:30 am
BREAK	10:30 am
SPST and the System Engineering Process Relevance to the NASA Office of Exploration Systems James Hollopeter, Vice Chair SPST Steering Committee	10:45 am
An Overview of Recent Advancements in Solid Propulsion Dave McGrath ATK Elkton	11:30am
Lunch (Dutch Box Lunch)	12:15 pm
Advanced Air Breathing Propulsion Systems Larry Hunt SAIC	1:00pm
Space Exploration Propulsion Technology Requirements and Status Robert Sackheim MSFC Asst. Director and Chief Engineer for Propulsion	1:45 pm
Break	2:45pm

Progress and plans for the MSFC Propulsion Research Center (PRC)	3:00pm
Stephen Rodgers Director of PRC	
In Space Propulsion Progress and Plans Les Johnson MSFC, Manager in Space Propulsion	4:00pm
Review Plans for Wed 28&Thur 29	4:45pm
Adjourn	5:00 pm
Dinner at TBD	
Happy Hour	6:00 pm
Dinner (everyone invited)	7:00 pm

Honored Guests-Mr.& Mrs. David Christensen

Space Propulsion Synergy Team Annual Meeting

Wednesday April 28, 2004

Theme "Why Human Space Exploration"

Location: The National Space Science and Technology Center

UAH Huntsville AL

	Hospitality Coffee & Rolls	8:00 am
	Welcome and Review of yesterdays progress and Today's agenda Walt Dankhoff SPST executive Sec.	8:30 am
	"Why Human Space Exploration" Panel Introduction by Moderator Dave Christensen, Lockheed Martin Space Systems Corp.	8:45am
	Presentation by Panel Members	9:00am
	 Jim Odom-NASA Retired/SAIC James Sanders NASA Retired-ISSI Ben Donahue-Boeing, Co. Huntsville John Mankins-Deputy Director Human & Robotics Technology Dave McGrath ATK Elkton 	
	Audience Participation Questions and Answers	10:30am
	Lunch (Dutch Box Lunch)	12:00pm
Summary of Activities and Products of the SPST Functional Requirements SubTeam		
	Introduction Russ Rhodes KSC, Team Leader 1	:00pm
	Review of "Proposed Technical Performance Measurements" Bradley Biehn-Servdrup technology Inc.	1:30pm
	Development of Space Transportation Systems "Functional Breakdown Structure" Russ Joyner P&W(invited)	2:15pm

3:00pm □ Break

Status and future plans for the NASA University Space Transportation System Design Challenge Program Don Perky Director USRA	3:15 pm
Summary report and recommendations of SPST Ad Hoc Comm. Co-Leaders Russ Rhodes KSC and Jim Sanders (NASA retired)	3:45pm
Discussion and conclusions on each recommendation	4:15pm
Wrap up and plans for tour of MFC Propulsion Research Center Don Perkey Director USRA	4:45pm
Adjourn	5:00 pm

Space Propulsion Synergy Team Annual Meeting

Thursday April 29, 2004

Theme "Why Human Space Exploration" Location: The National Space Science and Technology Center

UAH Huntsville AL

Assemble at NSSTC for bus to MSFC/PRC Tour	8:30 am
Return to NSSTC and adjourn	11:00 am